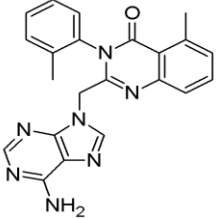


## IC87114

<b>CATALOG #:</b>	1661-1
<b>AMOUNT:</b>	1 mg
<b>ALTERNATE NAME:</b>	2-[6-Amino-9H-purin-9-yl)methyl]-5-methyl-3-(2-methylphenyl)-4(3H)-quinazolinone
<b>LOT #:</b>	_____
<b>STRUCTURE:</b>	
<b>MOLECULAR FORMULA:</b>	C <sub>22</sub> H <sub>19</sub> N <sub>7</sub> O
<b>MOLECULAR WEIGHT:</b>	397.43
<b>CAS NUMBER:</b>	371242-69-2
<b>APPEARANCE:</b>	White to off-white solid
<b>SOLUBILITY:</b>	DMSO
<b>PURITY:</b>	≥95% by HPLC
<b>STORAGE:</b>	Keep cool and dry. Store at -20°C
<b>DESCRIPTION:</b>	Cell-permeable. A potent, ATP-competitive and selective inhibitor of PI 3-K isoform p110δ (IC <sub>50</sub> = 60 nM). Inhibits p110α and p110β only at higher concentrations (>1 μM). IC87114 does not inhibit other PIK-related kinases such as ATM, ATR, DNA-PK, and mTOR even at concentrations up to 100 μM.
<b>REFERENCES:</b>	Chaussade, C., <i>et al.</i> (2007). <i>Biochem. J.</i> <b>404</b> , 449.
<b>HANDLING:</b>	Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**FOR RESEARCH USE ONLY! Not to be used in humans.**

### RELATED PRODUCTS:

- Apoptosis Detection Kits & Reagents
  - Annexin V Kits & Bulk Reagents
  - Caspase Assay Kits & Reagents
  - Mitochondrial Apoptosis Kits & Reagents
  - Nuclear Apoptosis Kits & Reagents
  - Apoptosis Inducers and Set
  - Apoptosis siRNA Vectors
- Cell Fractionation System
  - Mitochondria/Cytosol Fractionation Kit
  - Nuclear/Cytosol Fractionation Kit
  - Membrane Protein Extraction Kit
  - Cytosol/Particulate Rapid Separation Kit
  - Mammalian Cell Extraction Kit
  - FractionPREP Fractionation System
- Cell Proliferation & Senescence
  - Quick Cell Proliferation Assay Kit
  - Senescence Detection Kit
  - High Throughput Apoptosis/Cell Viability Assay Kits
  - LDH-Cytotoxicity Assay Kit
  - Bioluminescence Cytotoxicity Assay Kit
  - Live/Dead Cell Staining Kit
- Cell Damage & Repair
  - HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
  - HAT Colorimetric Assay Kit & Reagents
  - DNA Damage Quantification Kit
  - Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits
- Signal Transduction
  - cAMP & cGMP Assay Kits
  - Akt & JNK Activity Assay Kits
  - β-Secretase Activity Assay Kit
- Adipocyte & Lipid Transfer
  - Recombinant Adiponectin, Survivin, & Leptin
  - CETP Activity Assay & Drug Discovery Kits
  - PLTP Activity Assay & Drug Discovery Kits
  - Total Cholesterol Quantification Kit
- Molecular Biology & Reporter Assays
  - siRNA Vectors
  - Cloning Insert Quick Screening Kit
  - Mitochondrial & Genomic DNA Isolation Kits
  - 5 Minutes DNA Ligation Kit
  - 20 Minutes Gel Staining/Destaining Kit
  - β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit
- Growth Factors and Cytokines
- Monoclonal and Polyclonal Antibodies